



# FEMA

**Disclaimer:** The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh) and click on the "Weather Forecast Offices" tab and click on the map for your area.

## FEMA Region 6 Weather Threat Briefing

Tuesday, February 20, 2018  
Issued: 0800 CT

**Day 1 Weather Hazards:** Heavy rain/flash flooding likely across NE TX, E OK, and into much of AR.

Freezing rain will lead to hazardous travel & minor ice accumulation on trees and power lines for northwest into northcentral OK.

Marginal risk of severe storms for NE TX, SE OK, into AR. Elevated fire weather conditions this afternoon and evening over E NM, the W Texas Panhandle, TX South Plains, and the Permian Basin.

**National Weather Service**

*Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX*



**Prepared by: Brian Hoeth**  
**817-978-1100 x 147**

# Key Points



## Today

- Heavy rain & areas of flash flooding likely across NE TX, E OK, and much of AR. A few strong to severe storms also possible in these areas.
- Freezing rain will lead to hazardous travel and minor ice accumulation on trees and powerlines in northwest into northcentral OK
- Elevated fire weather conditions this afternoon and evening over E NM, the western Texas Panhandle, TX South Plains, and Permian Basin

## Wednesday – Saturday

- Periods of heavy rain will continue through the end of the week and possibly into the weekend across NE TX, E OK into AR
  - Flash flooding will be possible for these areas, as well as the chance of minor to moderate river flooding in areas that see persistent rainfall
- Periods of light freezing rain possible Wednesday & Thursday for W&Cntrl OK into NW TX, TX South Plains, and Permian Basin
  - Minor travel impacts possible
- Severe storms possible Saturday across NE TX, N LA, S&E AR

# FEMA Region 6 Threat Matrix

## Feb 20, 2018 through Feb 24, 2018

DAY / THREAT	TUE	WED	THU	FRI	SAT
Severe Storms	NE TX, SE OK, AR				NE TX, N LA, S&E AR
Heavy Rain / Flash Flooding	NE TX, E OK, AR	N LA, Cntrl TX NE TX, SE OK, AR, NW LA	NE TX, SE OK, AR	NE TX, E OK, AR, N LA	NE TX, E OK, AR, N LA
Fire Weather	NE NM, W TX Panhandle, TX South Plains, Permian Basin				
Winter	NW into Northcentral OK	W&Cntrl OK, NW TX, TX South Plains, Permian Basin	W&Cntrl OK, NW TX, TX South Plains, Permian Basin		
River Flooding	NE TX, E OK, AR,	NE TX, E OK, AR	NE TX, E OK, AR	NE TX, E OK, AR	NE TX, E OK, AR

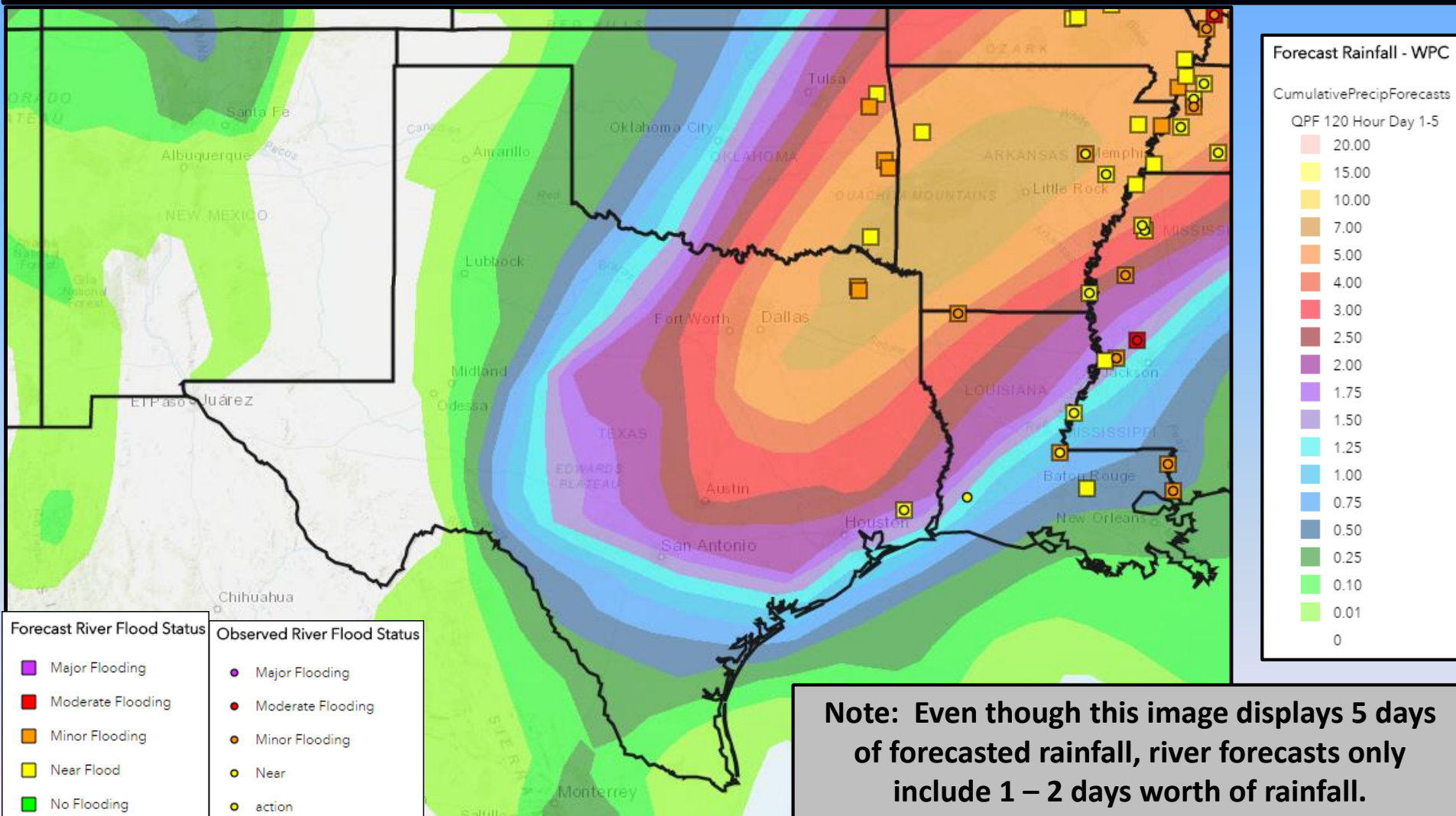
	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



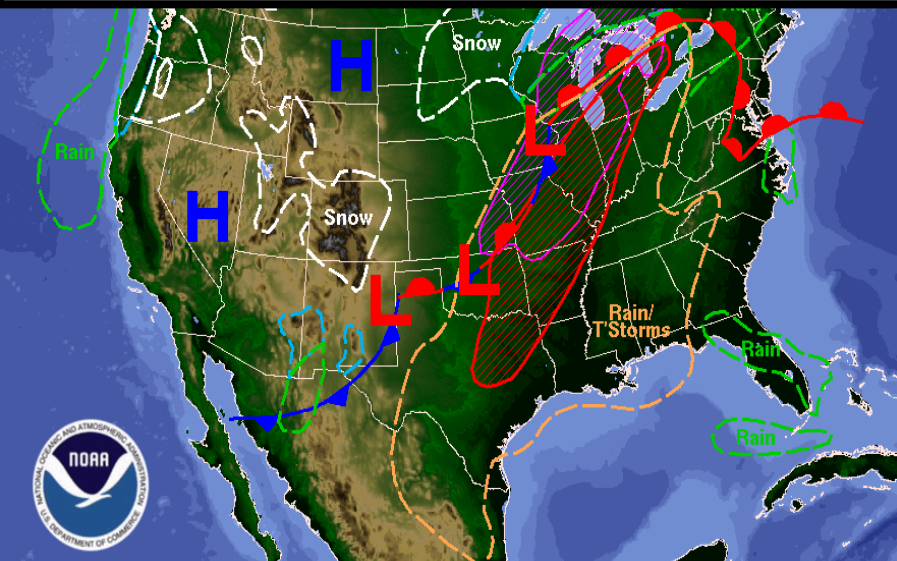
# 5-Day Precipitation Forecast & River Flood Status

Periods of heavy rain expected the next 5 days for NE TX, E OK, into AR;  
minor to moderate river flooding is possible.



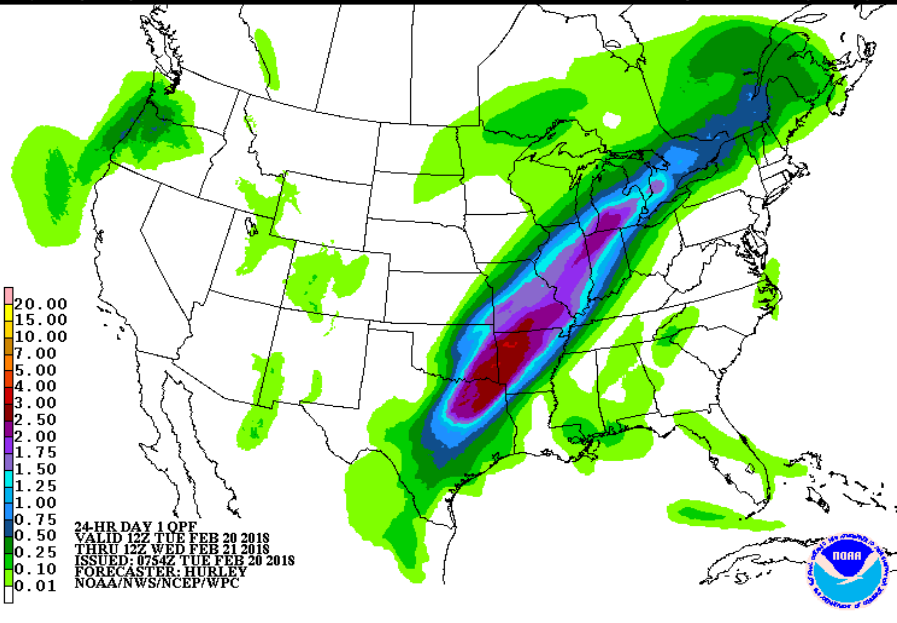
See <http://water.weather.gov/ahps> for the latest on river flooding

# Today's Weather



**Day 1 National Forecast Chart**  
Valid Tue, Feb 20, 2018, issued 4:37 AM EST  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McReynolds with WPC/SPC/NHC forecasts

Rain  
Rain and T'Storms  
Rain and Snow  
Snow  
Flash Flooding Possible (hatched)  
Severe T'Storms Possible (hatched)  
Freezing Rain Possible (hatched)  
Heavy Snow Possible (hatched)



Heavy rain/flash flooding likely across NE TX, E OK, into much of AR.

A few strong to severe storms possible in NE TX, SE OK, into AR.

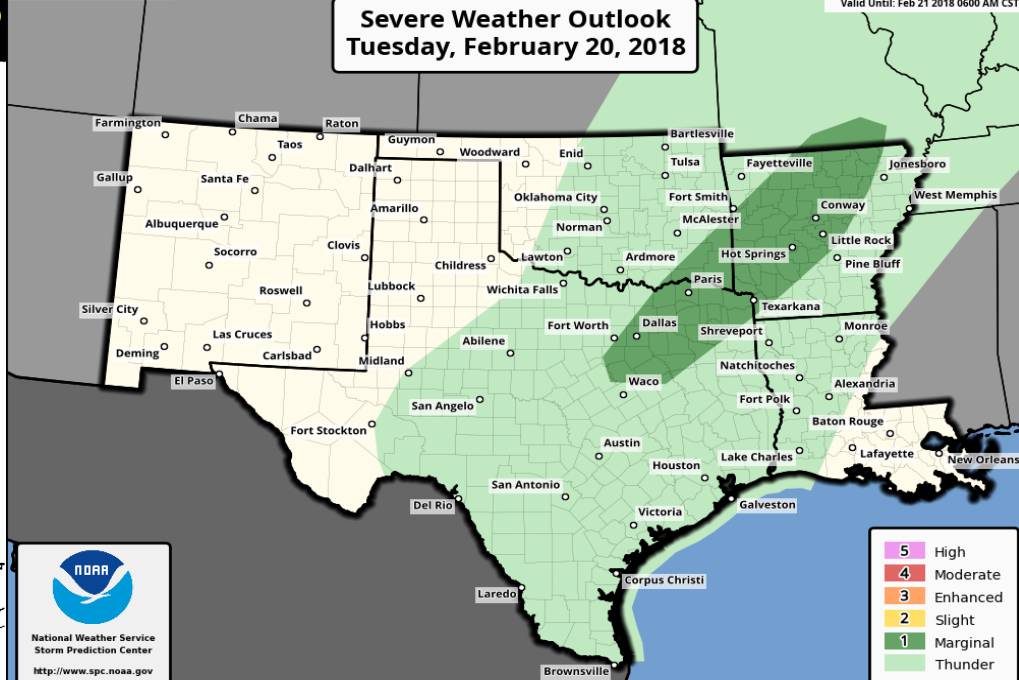
Freezing rain will lead to hazardous travel and minor ice accumulation on trees and powerlines in NW into northcentral OK.

Elevated fire weather conditions this afternoon and evening over NE NM, the western Texas Panhandle, TX South Plains, and Permian Basin.

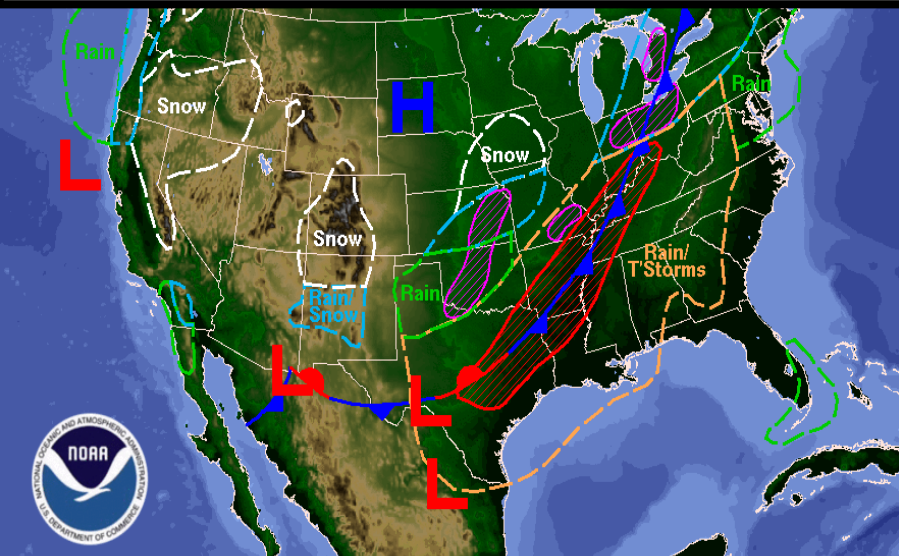
Highlighted Area: FEMA Region 6

## Severe Weather Outlook Tuesday, February 20, 2018

Last Updated: Feb 20 2018 0700 AM CST  
Valid Until: Feb 21 2018 0600 AM CST



# Tomorrow's Weather



Heavy rain/flash flooding likely across NE TX, SE OK, NW LA, and much of AR.

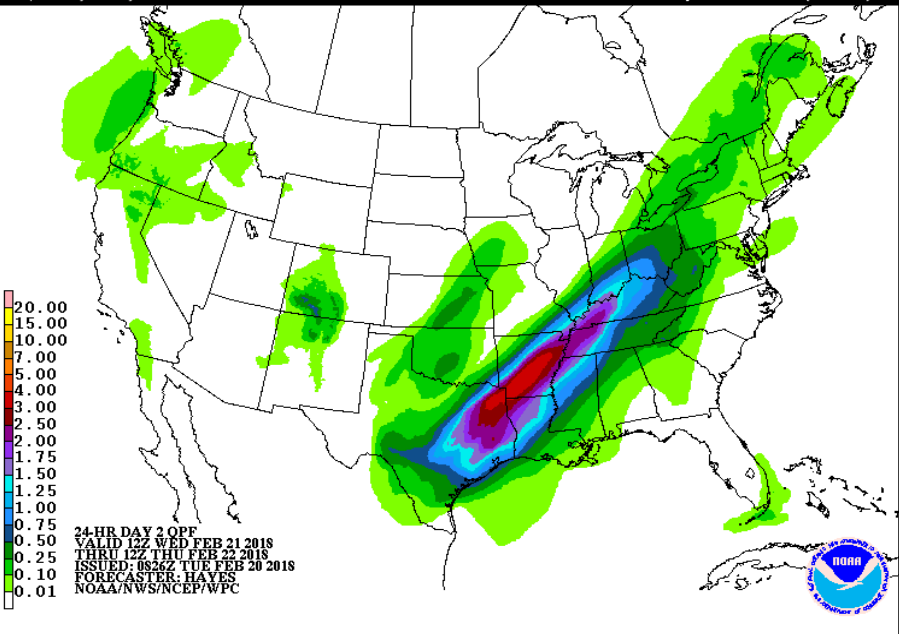
Minor to moderate river flooding depends on where heaviest persistent rainfall occurs Tuesday, but river flood threat appears to be greatest over NE TX, E OK, and AR.

Periods of light freezing rain possible which may lead to minor travel impacts for W&Cntrl OK into NW TX, TX South Plains, and Permian Basin.

## Day 2 National Forecast Chart

Valid Wed, Feb 21, 2018, issued 4:43 AM EST Tue, Feb 20, 2018  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McReynolds with WPC/SPC/NHC forecasts

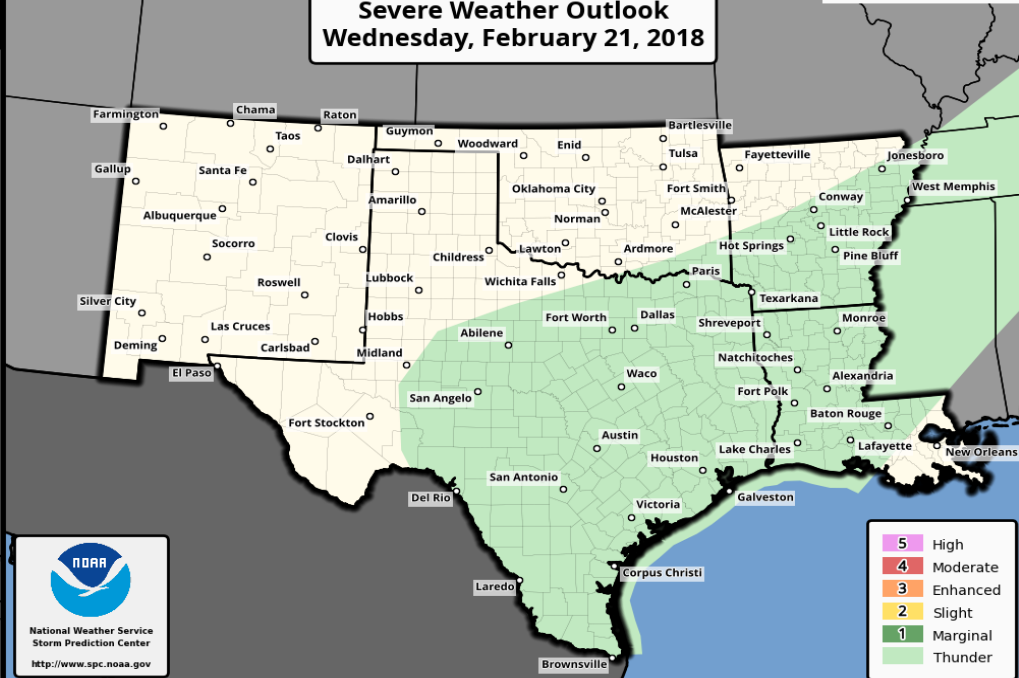
Rain  
Rain and T'Storms  
Rain and Snow  
Snow  
Flash Flooding Possible (hatched)  
Severe T'Storms Possible (hatched)  
Freezing Rain Possible (hatched)  
Heavy Snow Possible (hatched)



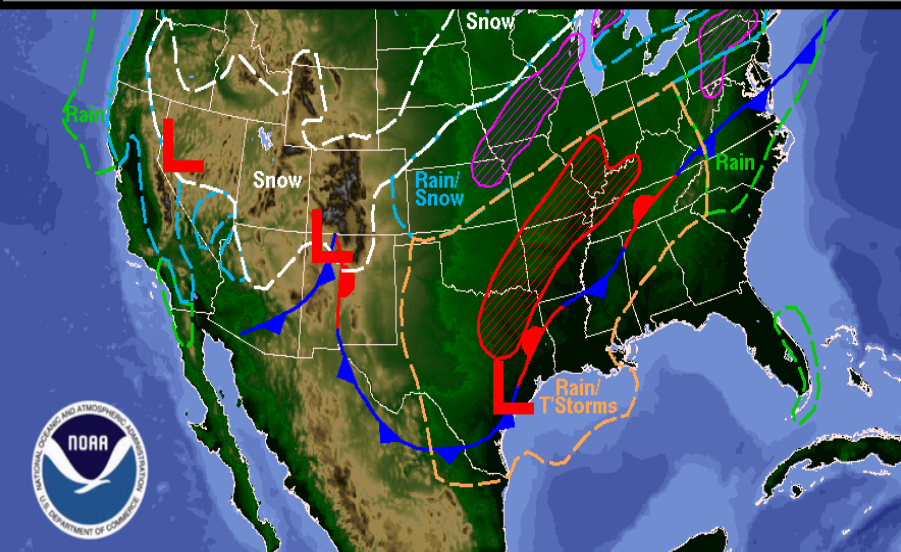
Highlighted Area: FEMA Region 6

## Severe Weather Outlook Wednesday, February 21, 2018

Last Updated: Feb 20 2018 12:27 AM CST  
Valid Until: Feb 22 2018 06:00 AM CST



# Thursday's Weather



**Heavy rain/flash flooding possible across much of NE TX, SE OK, into AR.**

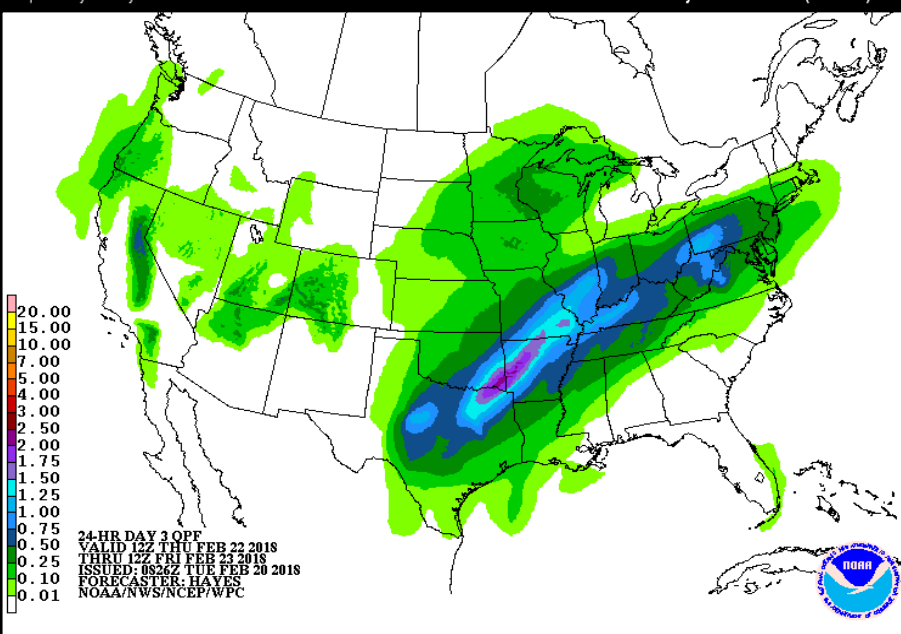
**Minor to moderate river flooding depends on where heaviest persistent rainfall occurs Tuesday & Wednesday , but river flood threat appears to be greatest over NE TX, E OK, and AR.**

**Periods of light freezing rain possible which may lead to minor travel impacts for W&Cntrl OK into NW TX, TX South Plains, and Permian Basin.**

## Day 3 National Forecast Chart

Valid Thu, Feb 22, 2018, issued 4:48 AM EST Tue, Feb 20, 2018  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McReynolds with WPC/SPC/NHC forecasts

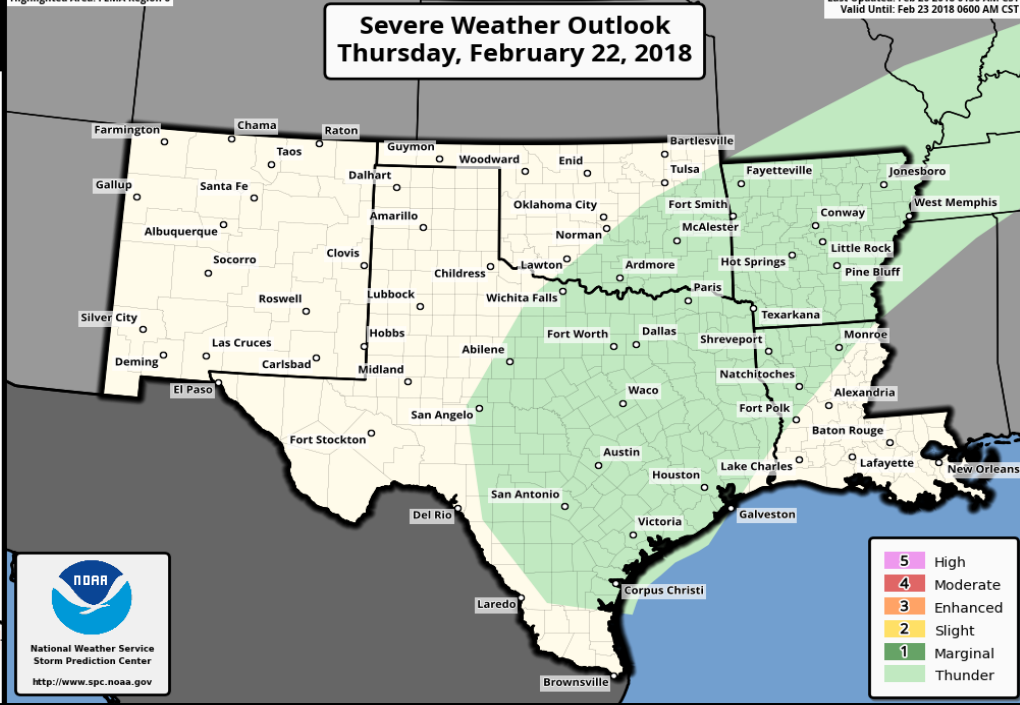
Rain  
Rain and T'Storms  
Rain and Snow  
Snow  
Flash Flooding Possible (hatched)  
Severe T'Storms Possible (hatched)  
Freezing Rain Possible (hatched)  
Heavy Snow Possible (hatched)



Highlighted Area: FEMA Region 6

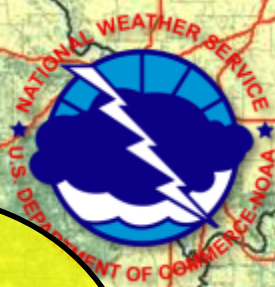
## Severe Weather Outlook Thursday, February 22, 2018

Last Updated: Feb 20 2018 0130 AM CST  
Valid Until: Feb 23 2018 0600 AM CST



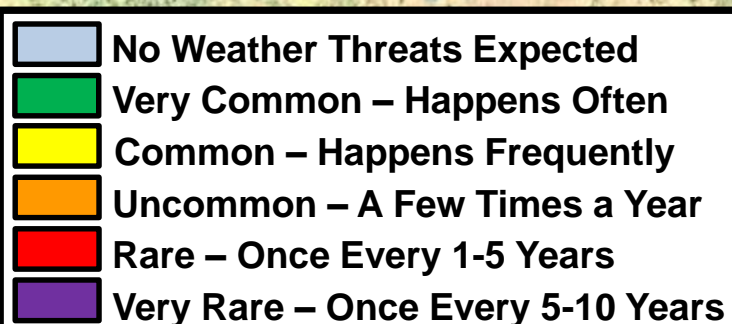
# Day 4-5 Weather Hazards

## Friday - Saturday



Heavy rain/flash flooding/river flooding is likely to continue through the end of the week and possibly into the weekend as well

Severe storms possible Saturday

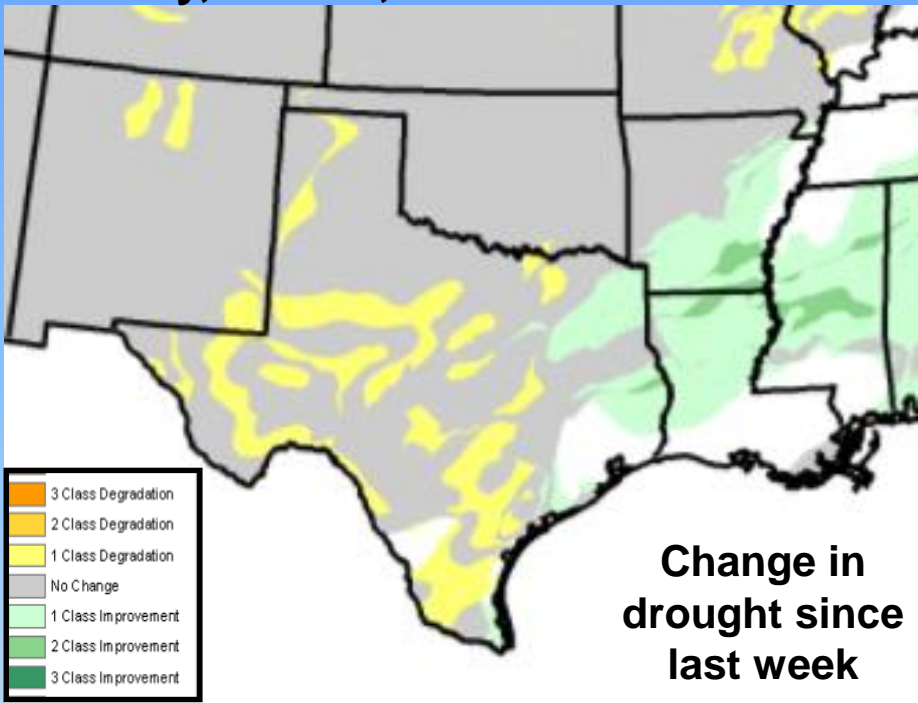
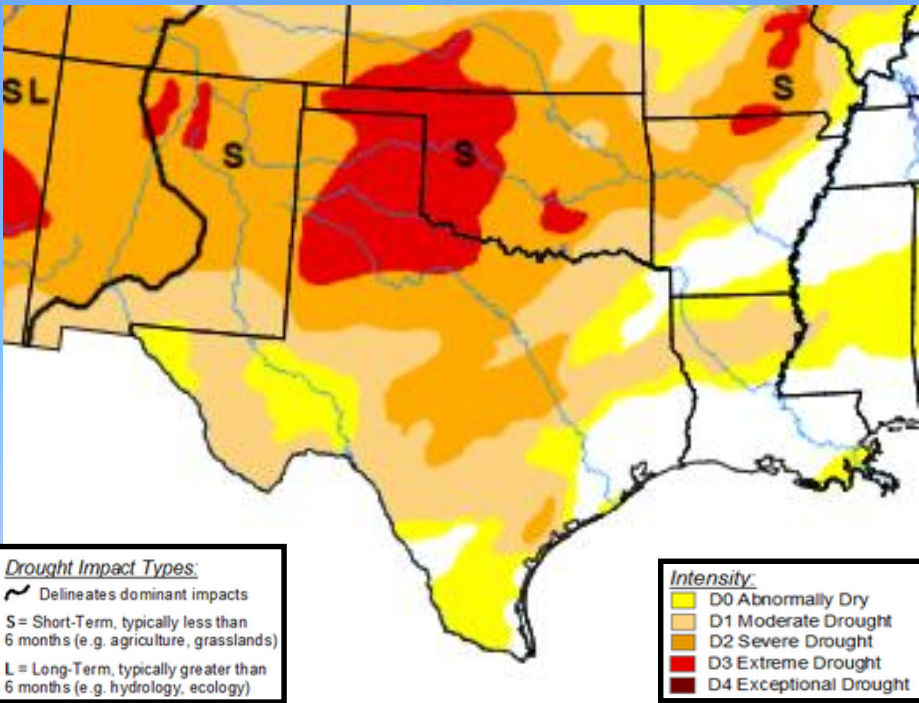


\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.



# Drought Monitor Released February 15, 2018

Data valid as of 6am CST, Tuesday, Feb 13, 2018



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)				
State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	2.37%	2.37%	0.00%	2.02%
Louisiana	0.00%	0.00%	0.00%	0.00%
Oklahoma	37.80%	37.76%	0.00%	3.34%
Texas	13.07%	11.79%	0.00%	0.53%
New Mexico	3.96%	0.27%	0.00%	0.00%

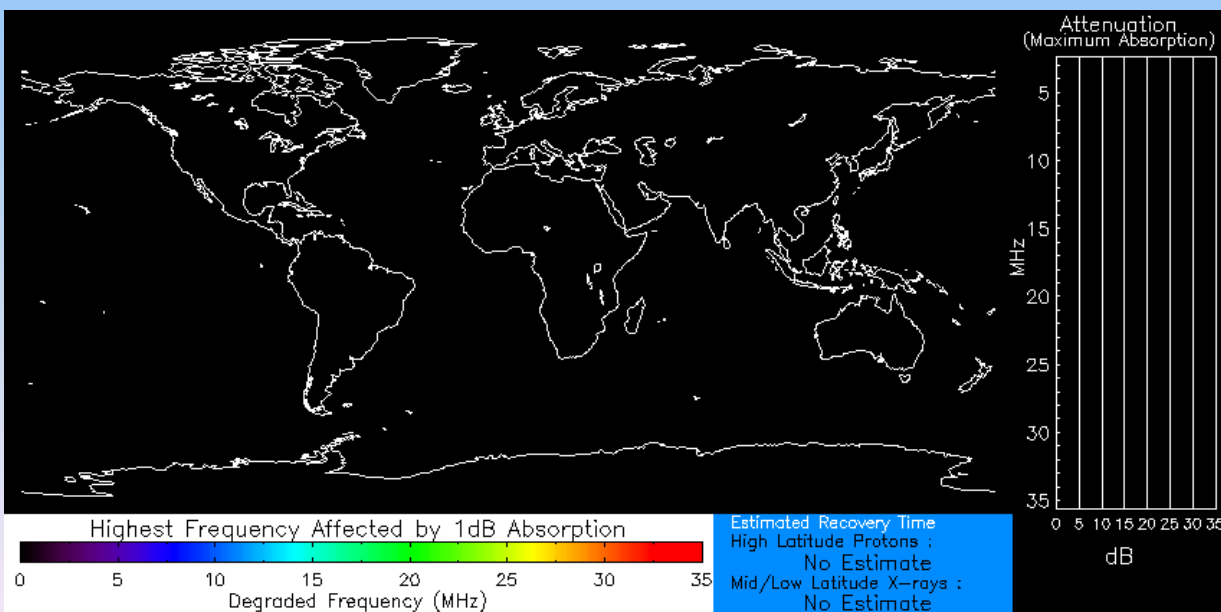
# Space Weather 3-Day Forecast



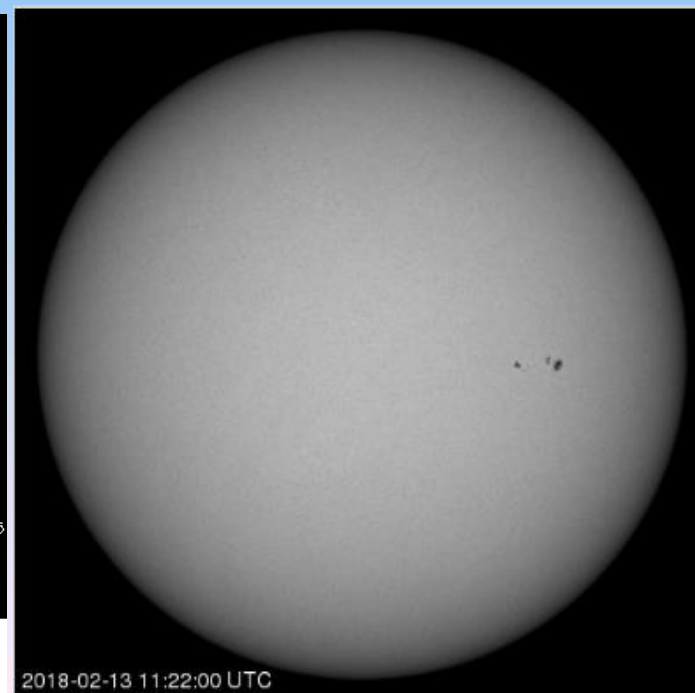
[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)

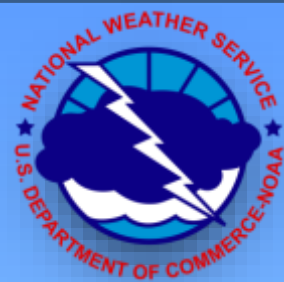
	Tuesday	Wednesday	Thursday
Geomagnetic Storms	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



Normal Proton Background  
NOAA/SWPC Boulder, CO USA



Information provided by:



**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

Phone: (682) 703-3747 **\*New Direct Number**  
E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)  
Web: <http://www.weather.gov/srh> (**NEW link!!**)

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# The criteria for the color codes in our briefings is below, please provide any feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov).



Weather "Threat" Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>